

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 January 2006 (05.01.2006)

PCT

(10) International Publication Number
WO 2006/001651 A1

(51) International Patent Classification⁷: **A61M 5/315**

(21) International Application Number:
PCT/KR2005/001965

(22) International Filing Date: 23 June 2005 (23.06.2005)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2004-0047260 23 June 2004 (23.06.2004) KR

(71) Applicant (for all designated States except US):
MEDIKAN CO., LTD. [KR/KR]; Kujung Bd. 3rd,
577-7 Shinsa-dong, Kangnam-gu, Seoul 135-891 (KR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **LEE, HeeYoung**
[KR/KR]; 919-9, Munhwa-dong, Kunsan, Chollabukdo
573-874 (KR).

(74) Agent: **CHOI, SeogWon**; 2 Fl., Ganglim Bldg, Yeoksam-
dong 734-5, Gangnam-gu, Seoul 135-080 (KR).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM,
PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,
YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

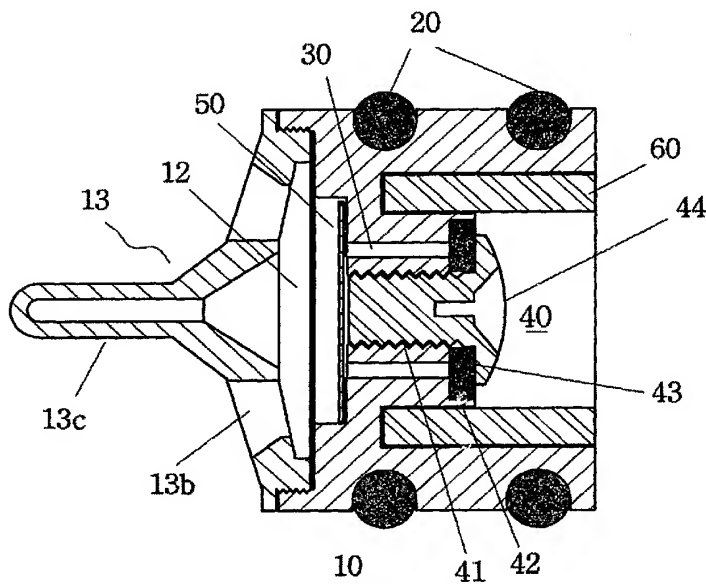
— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: SYRINGE PISTON USING IN FAT TRANSPLANTATIO



(57) Abstract: A syringe piston used in fat transplantation is structured such that free oil is easily separated from suctioned fat by a syringe piston having a filter and naturally discharged through the rear side thereof. The syringe piston without a shaft, used in fat transplantation, disposed in a syringe-shaped cylindrical vessel, includes a piston body without the shaft, a packing coupled with an outer surface of the piston body to seal between the piston body and the syringe-shaped cylindrical vessel, a free oil discharging hole communicated with the front side and the rear side of the piston body, an opening and closing device for opening and closing the free oil discharging hole, and a filtering device disposed in a passage through which free oil is discharged to filter fat and pass the free oil.

WO 2006/001651 A1